

Tommy Dong

FRONTEND DEVELOPER

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Education

Missouri University of Science and Technology

3.8 GPA

B.S. IN COMPUTER SCIENCE

Aug 2018 - May 2021

- Relevant courses: Data Structures, Algorithms, Databases, Artificial Intelligence, Data Mining, Software Engineering

Experience

EDUrain

St. Louis, MO

FRONTEND DEVELOPER, PART-TIME

June 2020 - Present

- Architected React/Redux application for the MVP that allowed the startup to have its first product launch
- Spearheaded the development of a scholarship search service using Algolia that brought in the startup's first 100 users
- Refactored and replaced an outdated third-party component library with SCSS components that improved the web platform's user interface
- Rebuilt the marketing website using vanilla HTML/CSS/JS and Google Analytics that resulted in a 4x improvement in page load speeds

Multicopter Robot Design Team

Rolla, MO

CHIEF EXECUTIVE OFFICER

May 2020 - Present

- Led a team of 25 members to engineer, build, and program fully autonomous drones for the International Aerial Robotics Challenge
- Coordinated with other student leaders to facilitate collaborative events which resulted more innovative and original engineering designs
- Launched new sponsor outreach initiatives that resulted in the team getting over a thousand dollars of value through various sponsorships

MLH Fellowship

Remote

OPEN-SOURCE CONTRIBUTOR

Sep 2020 - Dec 2020

- Made open-source contributions to Slate, a customizable framework for rich-text editors
- Debugged editor functions that were supposed to retrieve the previous/next node in the editor data structure to ensure expected behavior
- Exposed an internal editor function for normalizing the editor data structure so that developers could customize their own editor implementations using Slate's plugin system

Personal Projects

Proguard

GitHub

REACT, TYPESCRIPT, GATSBYJS

Oct 2020 - Present

- Built a Codecademy-style interactive learning tool with TypeScript and React that taught students how to write autonomous flight code for quadcopters
- Used GatsbyJS to store custom tutorials in an easily modifiable JSON format that made exporting and importing tutorials much easier

Local Restaurant Websites

GitHub, Website

REACT, GATSBYJS

May 2020 - Aug 2020

- Designed, built, and deployed two super fast, statically-generated websites for local family restaurants that generated over 4,500 visitors from Google Search in the last 6 months

Technical Skills

Programming JavaScript (ES6), TypeScript, Python, HTML, CSS

Libraries/Frameworks React.js, React Native, Node.js, Redux, GatsbyJS

Honors & Awards

Multiple **Dean's List**, Fall 2019, Spring 2020, Fall 2020

Rolla, MO

2019 **First Place**, Megaminer AI game AI programming competition with 10+ teams

Rolla, MO